Press Brake / Hydraulic Shear donation

David Drisdelle is a retired Machinery Repair Technician living in Frisco, From Scottland. He toured the makerspace in May.

He is 72, has had a stroke and fallen off his roof. Feels he cannot safely use his equipment any longer,

He would like to donate his equipment to the makerspace, Stipulation is we must take it all!

His wife supports the donation and would really like to get a car in the garage, and be prepared if they need to move to get long term medical care.





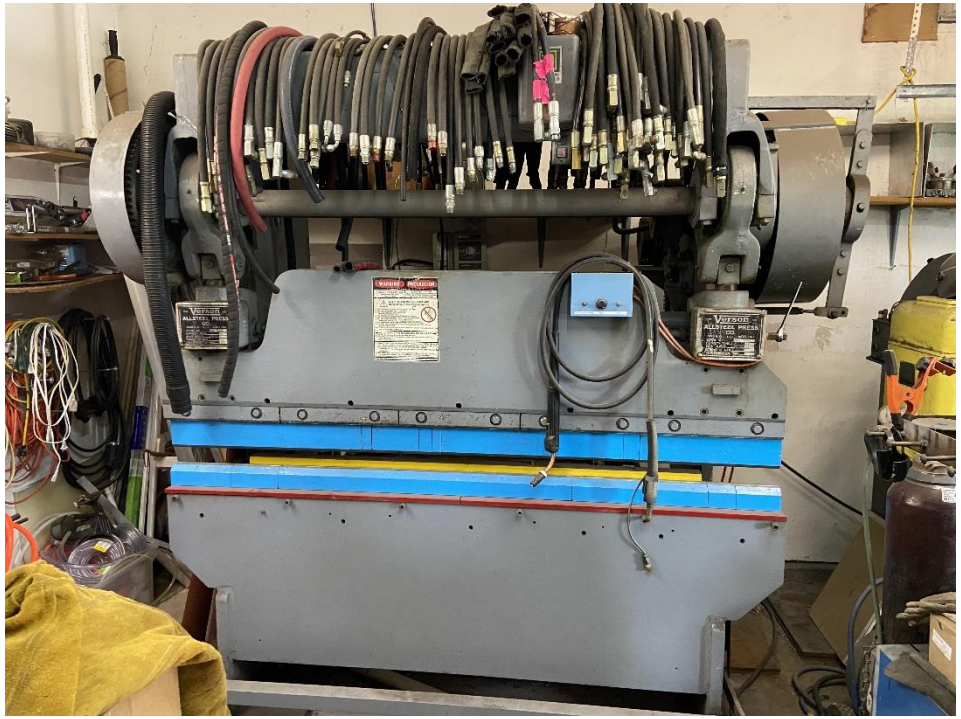
There are two machines we are particularly interested in:
6’ 45 ton Press brake and a hydraulic shear. Randy Lisbona, Tim Bene, John Nguyen visited Davids shop on May 17.
Tim got a bid to move the Press brake and shear at a cost of $5000, we can move/dispose of the rest.
Metal shop voted on June 7th to pursue funding and dispose of our mechanical shear



Both machines have back gauges. Main advantage vs our manual box and pan brake is repeatability and much higher capacity, up to 3/8” on the press brake. Can air bend harder materials, it runs in jog mode with a foot pedal.

Hydraulic shear is much quieter, not as intimidating, has front and back gauges so can make repeatable cuts

He also has lots of handtools, Toolchests, two small metal bandsaws, a Mig Welder that could go in Blacksmithing. A bunch of hydraulic pumps and cylinders



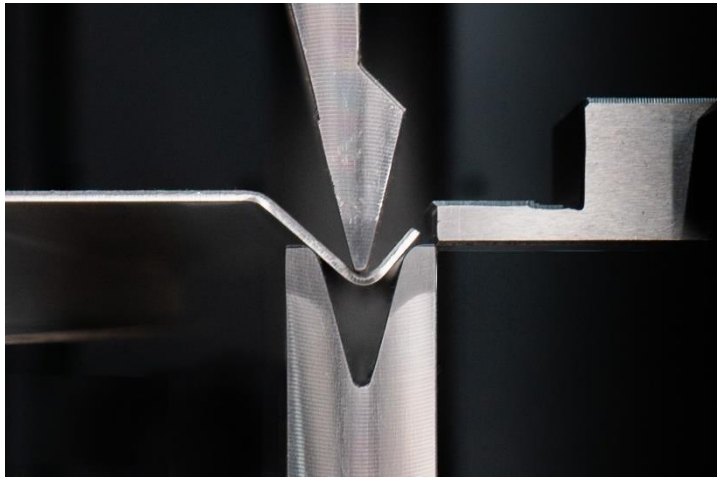
The existing box and pan brake was a huge step up from the magnetic brake
The opportunity to get a press brake is huge step up from box and pan brake



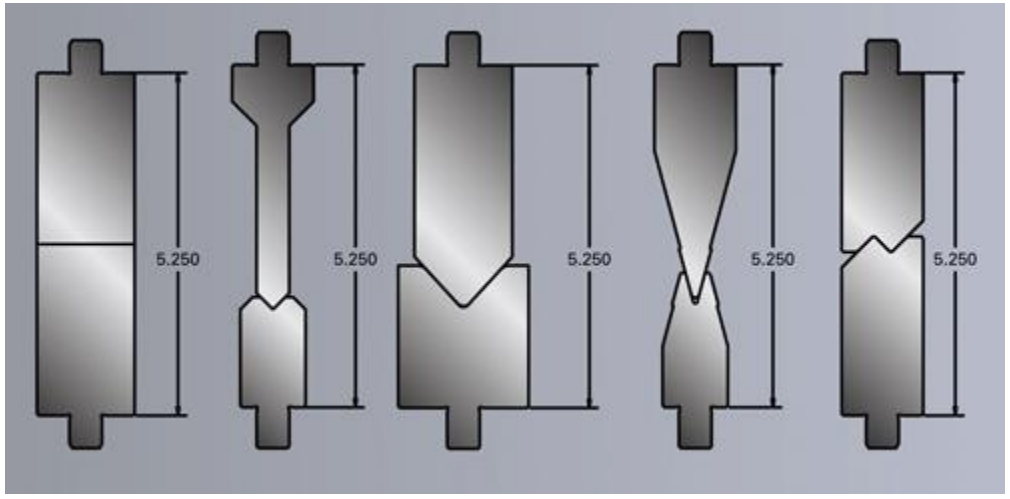
Mechanical shear added heavier gauge cutting vs a stomp shear
A hydraulic shear with back gauge is a huge step up from a Mechanical shear

What can a press brake do? Primarily designed for bending sheet metal.
There is a top and bottom die. Lots of tooling options.

$3500 ~ $50K new
Box and Pan Brake < Mechanical Press Brake < CNC Press Brake



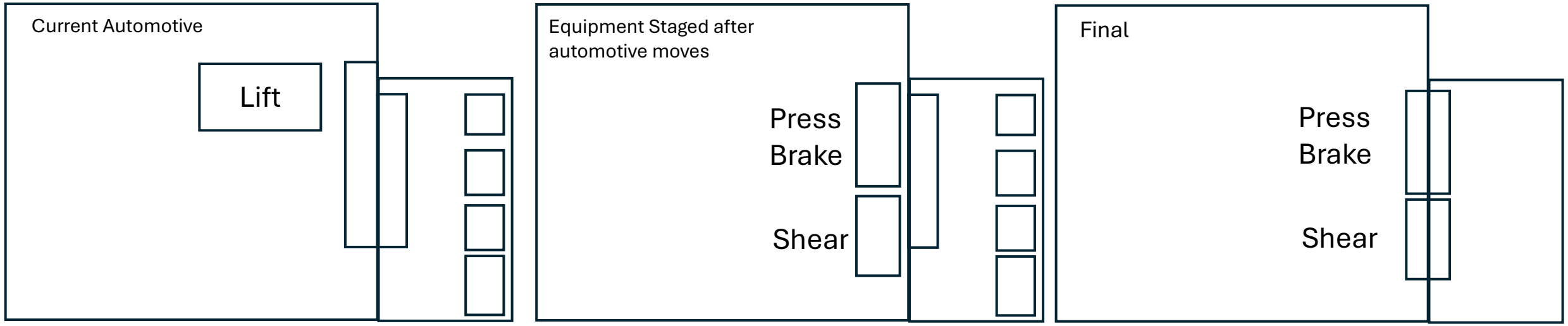


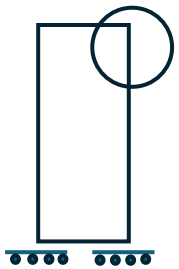




Proposed Installation Schedule

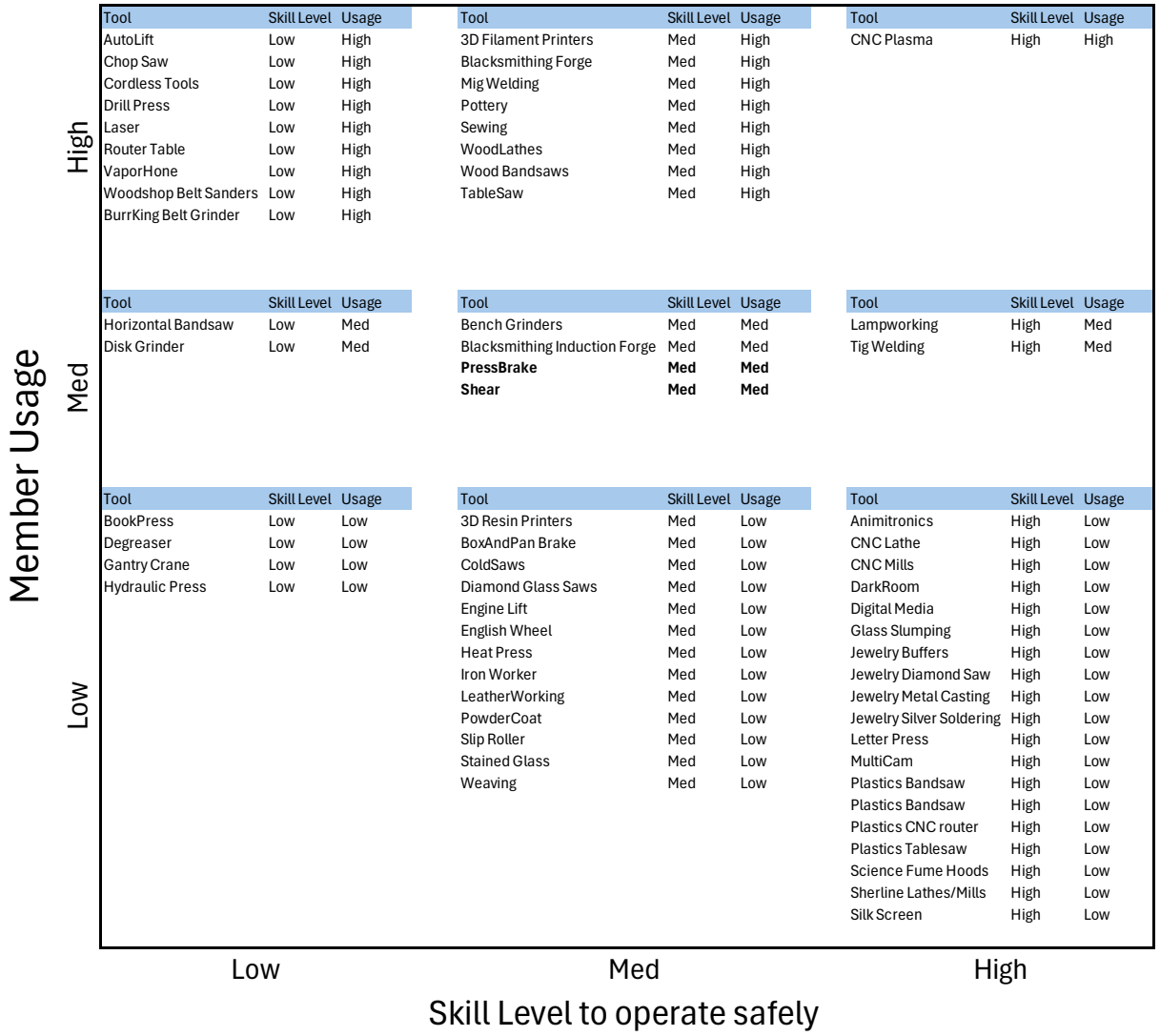
Approval to allocate $5000 to move it
June-July: Clear out everything we can move by hand from Davids Garage to prepare for the riggers to arrive.
July: Automotive Lift move to new area
July-August: Issue the move contract, Move the pressbrake and shear and stage on rollers behind Laser computer desks
??: After Laser moves, the press brake and shear can be move the final few feet, jacked up, remove rollers, set in place.





The equipment sits on 1” metal plates
We can install steel rods to act as rollers under the plates

Usage vs Skill Level



Tool	Skill Level	Usage
AutoLift	Low	High
Chop Saw	Low	High
Cordless Tools	Low	High
Drill Press	Low	High
Laser	Low	High
Router Table	Low	High
VaporHone	Low	High
Woodshop Belt Sanders	Low	High
BurrKing Belt Grinder	Low	High

Tool	Skill Level	Usage
3D Filament Printers	Med	High
Blacksmithing Forge	Med	High
Mig Welding	Med	High
Pottery	Med	High
Sewing	Med	High
WoodLathes	Med	High
Wood Bandsaws	Med	High
TableSaw	Med	High

Tool	Skill Level	Usage
CNC Plasma	High	High

Tool	Skill Level	Usage
Horizontal Bandsaw	Low	Med
Disk Grinder	Low	Med

Tool	Skill Level	Usage
Bench Grinders	Med	Med
Blacksmithing Induction Forge	Med	Med
PressBrake	**Med**	**Med**
Shear	**Med**	**Med**

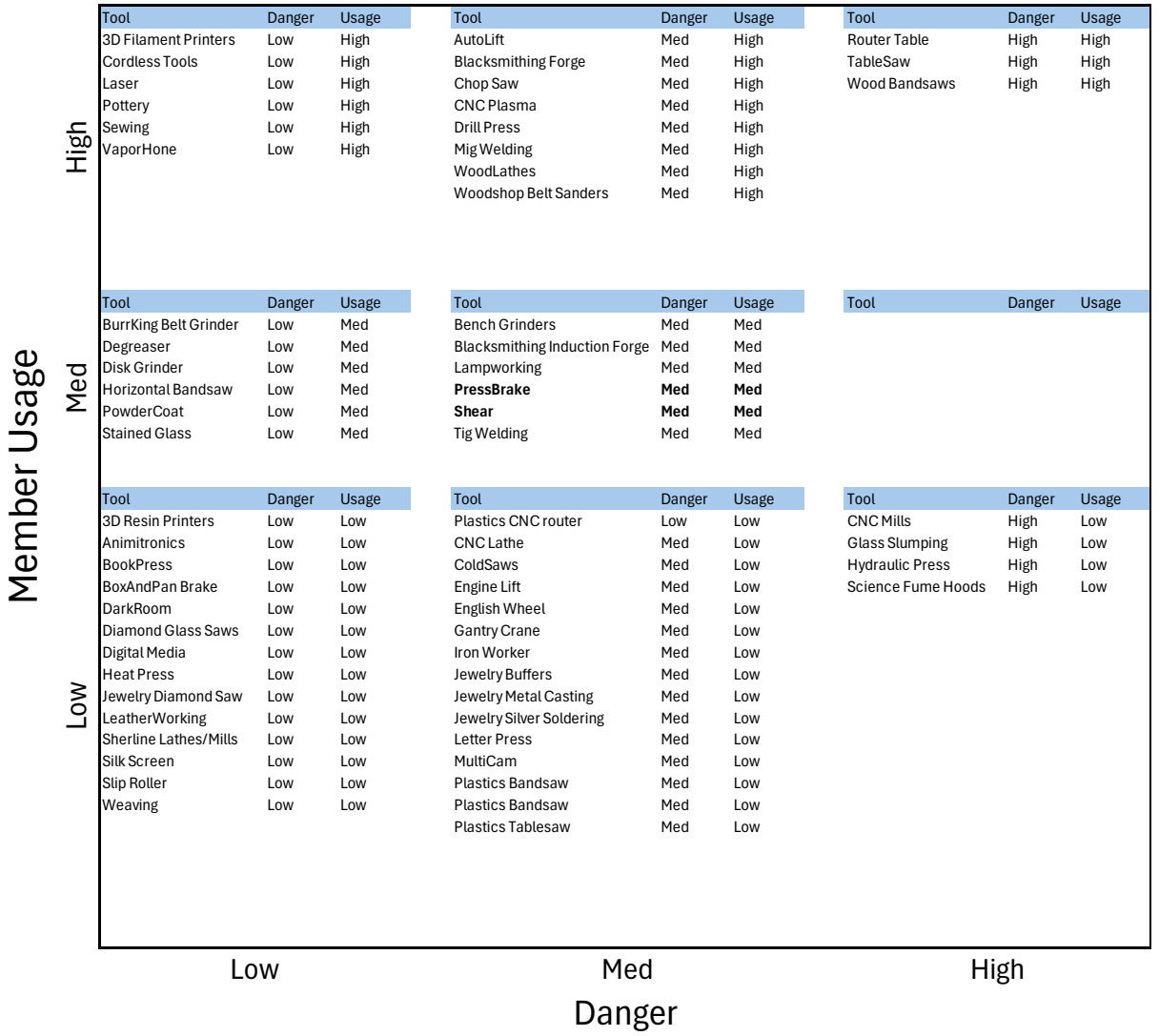
Tool	Skill Level	Usage
Lampworking	High	Med
Tig Welding	High	Med

Tool	Skill Level	Usage
BookPress	Low	Low
Degreaser	Low	Low
Gantry Crane	Low	Low
Hydraulic Press	Low	Low

Tool	Skill Level	Usage
3D Resin Printers	Med	Low
BoxAndPan Brake	Med	Low
ColdSaws	Med	Low
Diamond Glass Saws	Med	Low
Engine Lift	Med	Low
English Wheel	Med	Low
Heat Press	Med	Low
Iron Worker	Med	Low
LeatherWorking	Med	Low
PowderCoat	Med	Low
Slip Roller	Med	Low
Stained Glass	Med	Low
Weaving	Med	Low

Tool	Skill Level	Usage
Animitronics	High	Low
CNC Lathe	High	Low
CNC Mills	High	Low
DarkRoom	High	Low
Digital Media	High	Low
Glass Slumping	High	Low
Jewelry Buffers	High	Low
Jewelry Diamond Saw	High	Low
Jewelry Metal Casting	High	Low
Jewelry Silver Soldering	High	Low
Letter Press	High	Low
MultiCam	High	Low
Plastics Bandsaw	High	Low
Plastics Bandsaw	High	Low
Plastics CNC router	High	Low
Plastics Tablesaw	High	Low
Science Fume Hoods	High	Low
Sherline Lathes/Mills	High	Low
Silk Screen	High	Low

Usage vs Danger



Tool	Danger	Usage
3D Filament Printers	Low	High
Cordless Tools	Low	High
Laser	Low	High
Pottery	Low	High
Sewing	Low	High
VaporHone	Low	High

Tool	Danger	Usage
AutoLift	Med	High
Blacksmithing Forge	Med	High
Chop Saw	Med	High
CNC Plasma	Med	High
Drill Press	Med	High
Mig Welding	Med	High
WoodLathes	Med	High
Woodshop Belt Sanders	Med	High

Tool	Danger	Usage
Router Table	High	High
TableSaw	High	High
Wood Bandsaws	High	High

Tool	Danger	Usage
BurrKing Belt Grinder	Low	Med
Degreaser	Low	Med
Disk Grinder	Low	Med
Horizontal Bandsaw	Low	Med
PowderCoat	Low	Med
Stained Glass	Low	Med

Tool	Danger	Usage
Bench Grinders	Med	Med
Blacksmithing Induction Forge	Med	Med
Lampworking	Med	Med
PressBrake	**Med**	**Med**
Shear	**Med**	**Med**
Tig Welding	Med	Med

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Animitronics	Low	Low
BookPress	Low	Low
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LeatherWorking	Low	Low
Sherline Lathes/Mills	Low	Low
Silk Screen	Low	Low
Slip Roller	Low	Low
Weaving	Low	Low

Tool	Danger	Usage
Plastics CNC router	Low	Low
CNC Lathe	Med	Low
ColdSaws	Med	Low
Engine Lift	Med	Low
English Wheel	Med	Low
Gantry Crane	Med	Low
Iron Worker	Med	Low
Jewelry Buffers	Med	Low
Jewelry Metal Casting	Med	Low
Jewelry Silver Soldering	Med	Low
Letter Press	Med	Low
MultiCam	Med	Low
Plastics Bandsaw	Med	Low
Plastics Bandsaw	Med	Low
Plastics Tablesaw	Med	Low

Tool	Danger	Usage
CNC Mills	High	Low
Glass Slumping	High	Low
Hydraulic Press	High	Low
Science Fume Hoods	High	Low